

GROUND PENETRATING RADAR (GPR) SURVEY REPORT

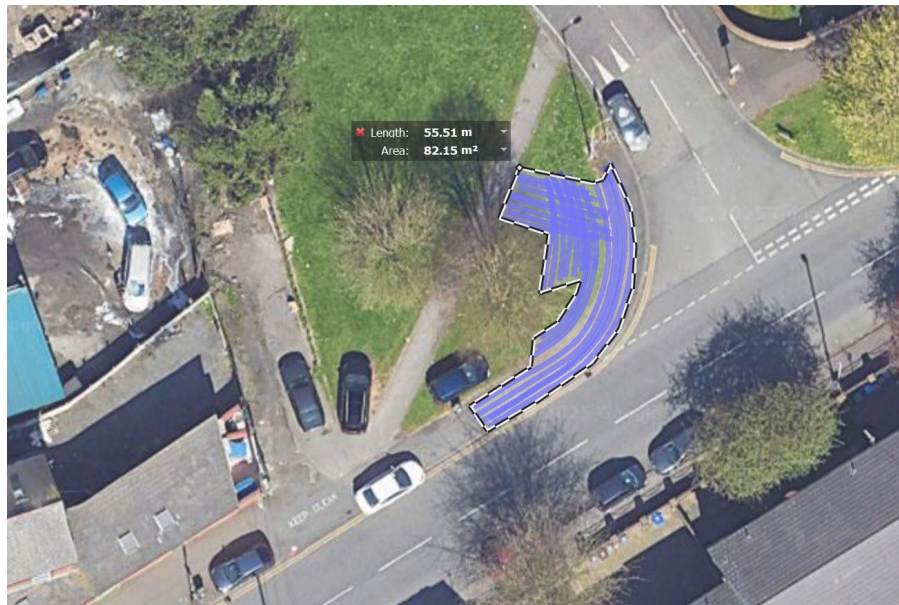
GPR Scan for New Monopole Installation

Site Location: Yarburgh SW

Project Reference: UUW_M416

Survey Date: 01/11/2025

Surveyor: Kevin Walker & Chris Self



1. Project Overview

Client Name: HF Comms

Site Address: Yarburgh Street, Whalley Range, Manchester, Greater Manchester, M16

7FJ Coordinates: 53.453668 , -2.2566521

Date of Survey: 01/11/2025

Weather Conditions: Very Wet

Purpose of Survey: GPR Scan for a new monopole to be installed

Equipment Used: Leica DS4000 & GS18 GPS



2. Methodology

The Ground Penetrating Radar (GPR) survey was carried out using specialist equipment to detect and map subsurface utilities within the proposed monopole location on the footpath. A grid pattern was used to ensure comprehensive coverage of the survey area.

Parameters such as grid size, scan spacing, and frequency were adjusted to suit the surface type and expected utility depth. All works were undertaken in accordance with industry standards and safety protocols.

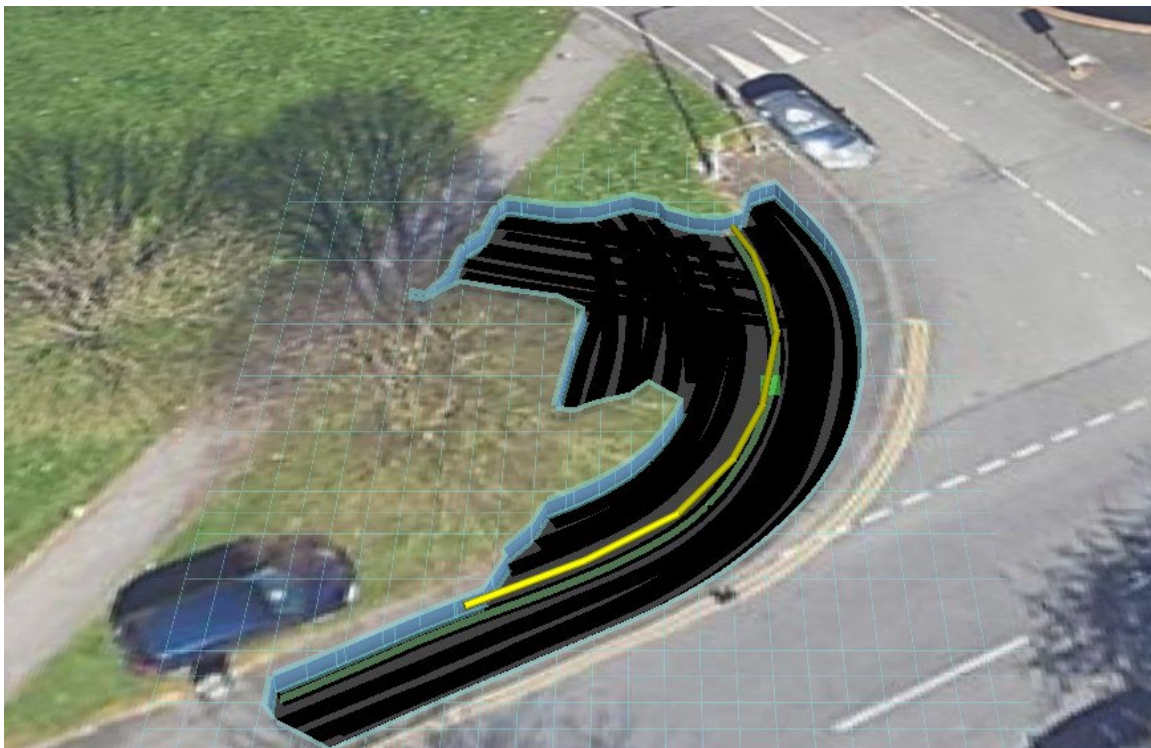
Limitations of Survey: Due to the wet conditions and the uneven make-up of the area to be scanned, we were limited to what we could capture.



3. Findings

Summary of Detected Utilities:

Utility Type	Approx. Depth (m)	Orientation / Location	Comments
Power (Street Light)	Unable to verify	Edge of the footpath/ grass verge	Further investigation required with a civils team



4. Interpretation

Based on the GPR data collected, the following interpretations were made regarding potential conflicts with the proposed monopole foundation area:

- Shallow utilities or obstructions: Power running along the footpath backed up by the STATS
- Recommendations: Further investigation needed, slit trenches in the grass verge to determine how many roots are present due to the large tree.



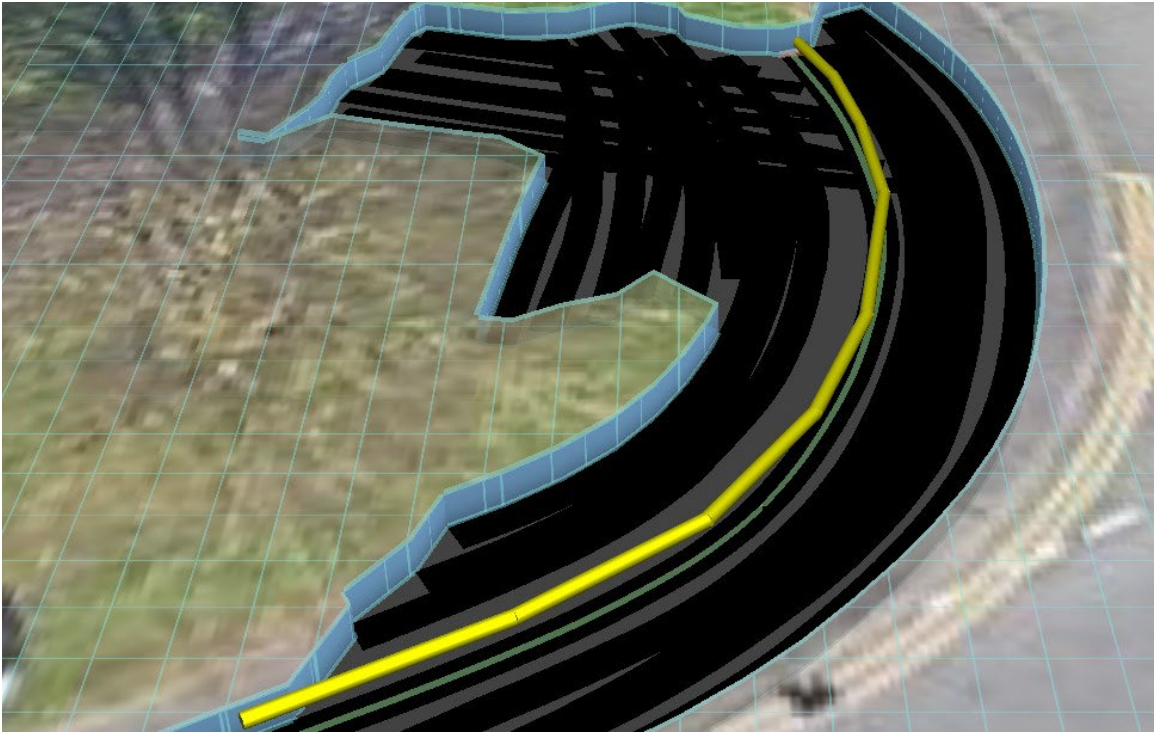
5. Conclusions

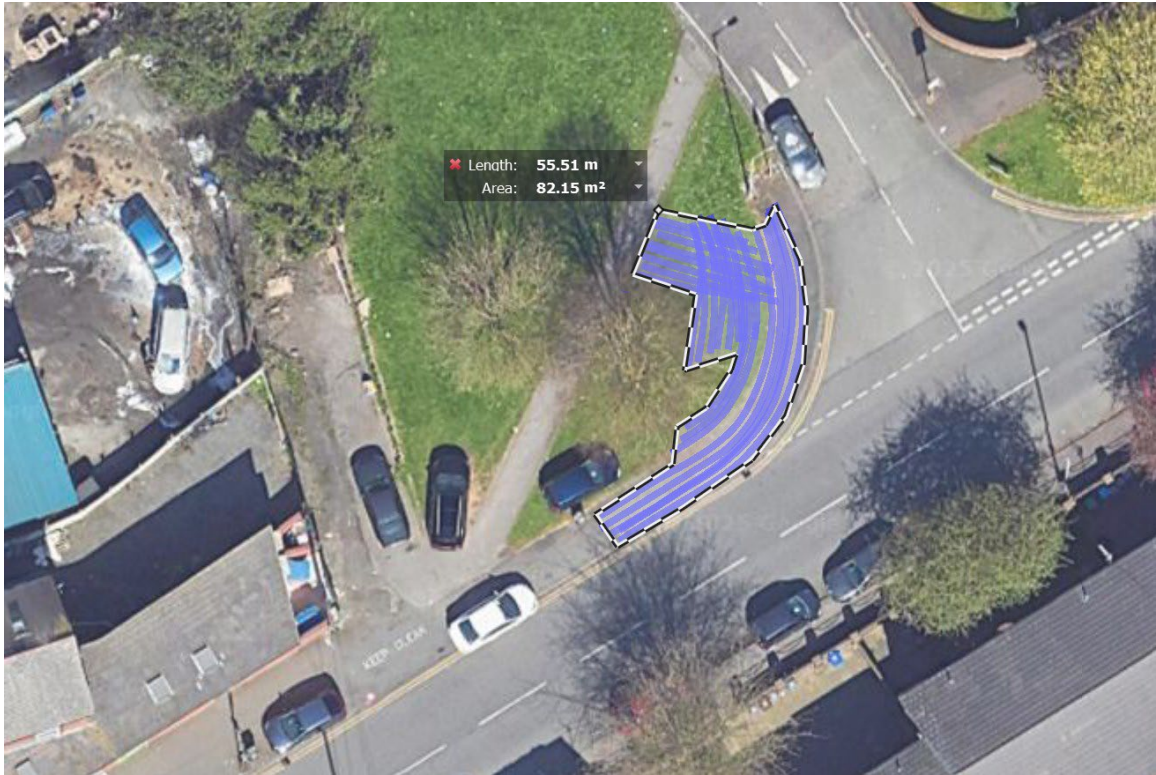
The GPR survey successfully identified subsurface utilities within the survey area. No intrusive works or excavations were undertaken as part of this survey. The results should be used to assist in the design and planning of the proposed telecoms monopole installation.

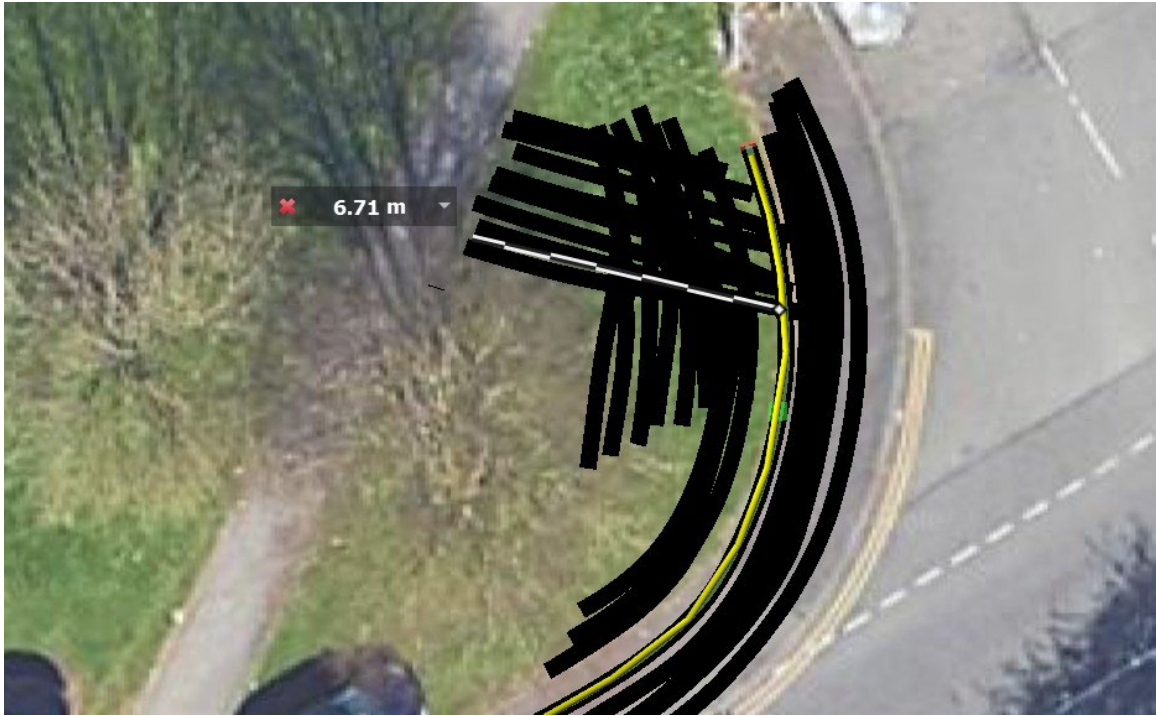
Next Steps / Recommendations:

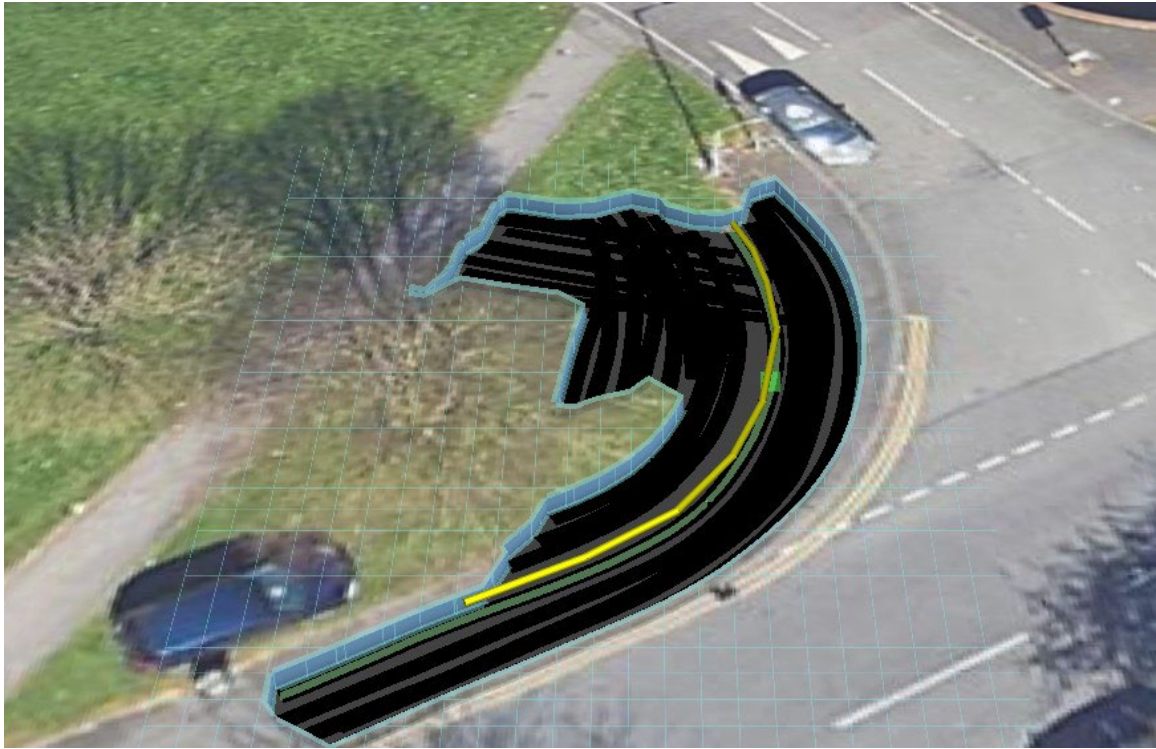
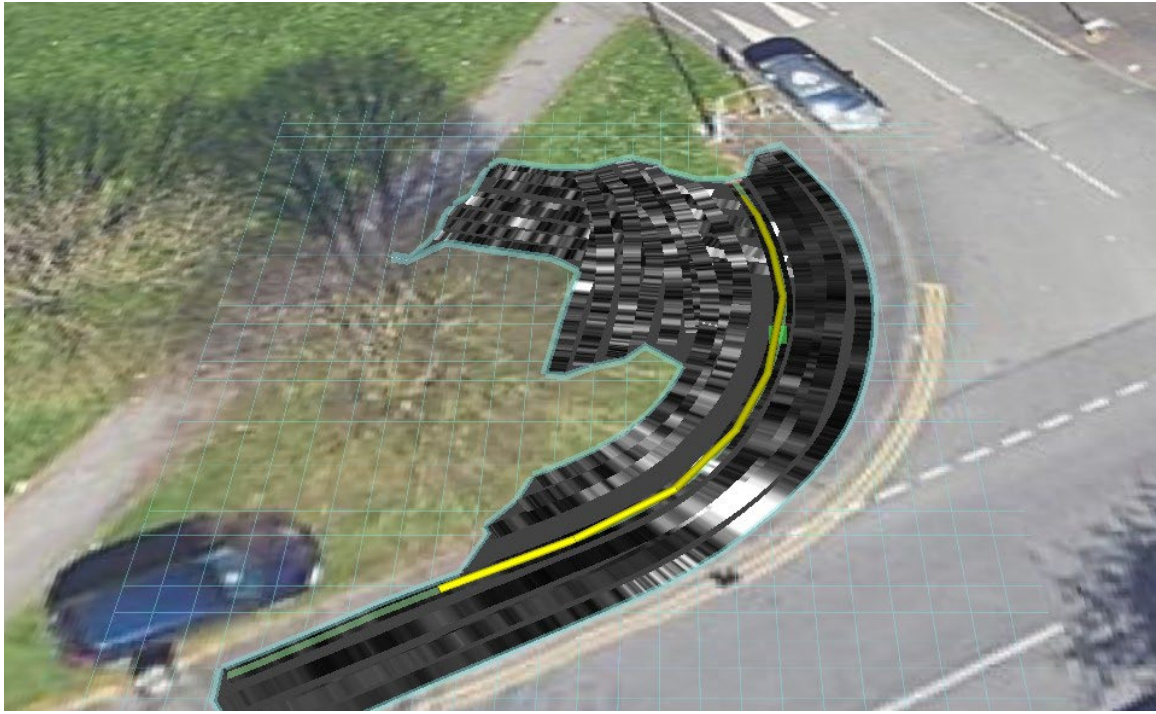
- Further investigation needed, slit trenches in the grass verge to determine how many roots are present due to the large tree.
- Very uneven grass verge and footpath on a busy junction.
- Power identified
- STATS show BT running through the grass verge but nothing was detected

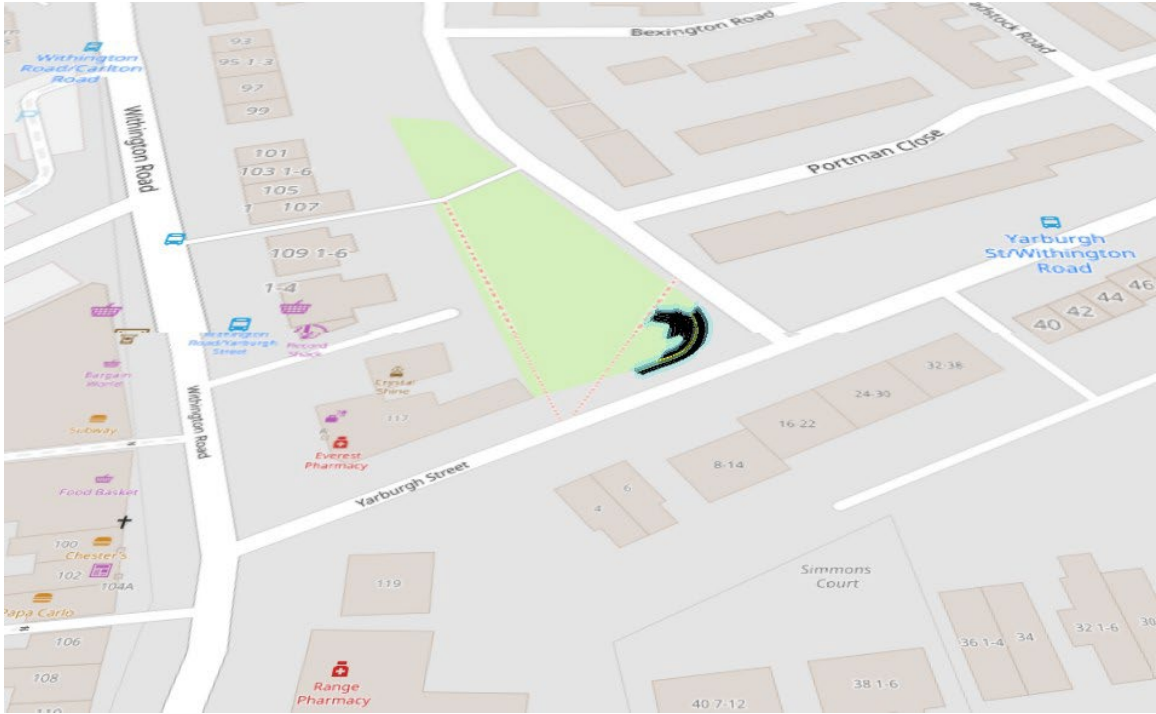
6. Appendices













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